

AMENDED SET OF CLAIMS

1. (Previously Presented) A steel sheet pile comprising:

a flange;

a pair of webs, each of said pair of webs being connected at one end thereof to opposite ends of said flange, respectively, so as to be line-symmetric with each other;

a pair of arms, each of said pair of arms being connected at one end thereof to another end of said pair of webs, respectively; and

a pair of joints, each of said pair of joints being connected to another end of said pair of arms, respectively,

wherein the sheet pile has a geometrical moment of inertia I of larger than 9,500 [cm⁴/m] and a cross-sectional dimension of said sheet pile meets all of the following inequalities:

$$890 \leq B \leq 920;$$

$$280 \leq B_f \leq 350;$$

$$210 \leq H \leq 350; \text{ and}$$

$$B_f/32.4 \leq t \leq 28,$$

where B is an effective width [mm] of said sheet pile, B_f is a width [mm] of said flange, H is a height [mm] of said sheet pile, and t is a flange thickness [mm] of said sheet pile.

2. (Previously Presented) The steel sheet pile according to claim 1, wherein the cross-sectional dimension of said sheet pile further meets the inequality $B_f \times 0.6 \leq B - B_f - 2 \times B_w \leq B_f \times 1.1$, where B_w is a width [mm] of said webs in the direction parallel to said flange.

3. (Previously Presented) The steel sheet pile according to claim 2, wherein the thickness of the flange is less than 28 mm.

4. (Cancelled).

5. (Previously Presented) The steel sheet pile according to claim 1, wherein said pair of arms are parallel to said flange.

6-10. (Cancelled).

11. (Previously Presented) The steel sheet pile according to claim 1, wherein said steel metal pile is hot-rolled.

12. (Previously Presented) The steel sheet pile according to claim 1, wherein said steel sheet pile has a moment of inertia of 9,500-10,500 cm^4/m .

13. (Previously Presented) The steel sheet pile according to claim 1, wherein the thickness of the flange is from 10 mm to 28 mm.

14. (New) The steel sheet pile according to claim 1, wherein said sheet pile meets the following inequality:

$$I > 470W - 38000,$$

wherein W is the weight per unit area (kg/m^2) of the metal sheet pile.